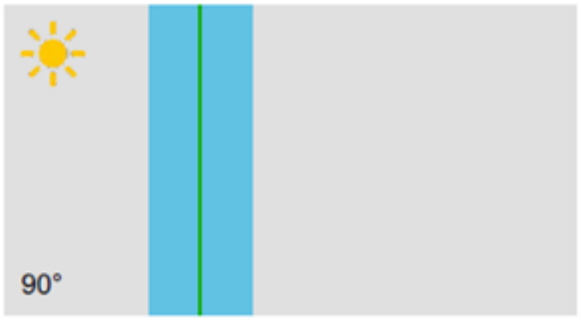
Technical Data Sheet



Energy values		EN410/EN673
Ug	Thermal Transmittance	5.0 W/m²K
g	Solar Factor	81%
αtot	Total Absorption	16%

Configuration (External -> Internal)

10mm	PLK Optiwhite Toughened+HST - Polished
1.52mm	SFX Saflex Clear
10mm	PLK Optiwhite Toughened+HST - Polished

Light Values		
Tv	Light Transmission	90%
ρv	External Light Reflection	8%
ρv'	Internal Light Reflection	8%
Ra	General Color Rendering Index	99

Technical Data		
⟷	Thickness	21.5 mm
⚖	Weight	53.8 Kg/m²
🔊	Noise Reduction [Rw(C;Ctr)dB]	NPD

TOUGHGLAZE
leaders in glass

UK CA

Technical Data Sheet

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GENERAL INFORMATION

Standard	EN410/EN673
Glass Slope [°]	90°
Thermal Transmittance	5.04 W/m²
Weight	53.8 Kg/m²

LIGHT BEHAVIOR

Light Transmittance	Tv	90%
Light Reflectance External	ρv	8%
Light Reflectance Internal	ρv'	8%

SOLAR BEHAVIOR

Solar Factor	g	81%
Secondary Heat Transfer Factor	qi	4%
Shading Factor	SC	93%
Solar Transmittance	Te	77%
Solar Reflectance	ρe	7%
Absorption of Element 1	α1	16%
Solar Absorptance	αtot	16%

UV BEHAVIOR

UV Transmittance	Tuv	0%
Material damage factor (CIE)	SMPF	53%
Skin damage factor	SSPF	0%

SAFETY IN USE

EN12600 Resistance to impact Element 1	1B1
Odolnost proti střelám (EN 1063) 1	P4A

COLOUR ANALYSIS

L coordinate Transmission	95.9
a coordinate Transmission	-1.1
b coordinate Transmission	0.5
RGB Transmission	241,244,242
L coordinate Reflection	34.3
a coordinate Reflection	-0.5
b coordinate Reflection	-0.4
RGB Reflection	79,81,81

The color analysis is illustrative only and may slightly differ from in-situ characteristics. The boundary conditions such as wall color behind the façade, surrounding buildings and sky condition may lead to a different perception of colour in transmission and/or reflection. These colour parameters should not be used in prescription of glazing types for buildings.